Thinking ahead. Focused on life.

In 1916, Junichi Morita started to import products of the leading dental equipment manufacturers into Japan, where demands for modern dentistry were growing. His venturesome attempts of supplying selected products for oral healthcare has grown steadily by receiving valuable support and guidance from the dental profession. His enterprising spirit lives through the decades, and all Morita Group Companies join in continuing to pursue marketing, distribution and services, as well as R&D and manufacturing, in collaboration with world leaders in healthcare products and research organizations.

Diagnostic/Imaging Equipment

Treatment Units

Instruments

Laser Equipment

Laboratory Devices

Educational and Training Systems

Auxiliaries

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JMMC PUB.No.10.03.1 IC-5 HD

Veraview IC5 HD

High definition, digital imaging excellence

J.MORITA MFG.CORP.

Thinking ahead. Focused on life.

MORITA

Thinking ahead.

Focused on life.

Features at a glance

Industry Best Exposure Time*

Extremely fast 5.5 second panoramic with significantly lower dosage

High Definition

New and improved definition of 96µm (10 seconds scan) for the ultimate high definition image

Class-leading clarity

DDAE (Digital Direct Auto Exposure) and AIE (Auto Image Enhancement) functions provide sharp and clear images

Quick and Easy Patient Positioning

With integrated triple laser beam alignment

Fully Automatic Simplified Operation

Simply select the desired program: Panoramic, TMJ or PEDO. In addition, no parameter setting is required

Digital Technology

No film or film development are required

Low Power Consumption, Lightweight and Compact Design

Select from two levels of speed and resolution

Depending on the diagnostic need, you can take a quick, 5.5 seconds panoramic for the lowest dosage, or a 10 seconds scan for the ultimate, high resolution image.

High Speed

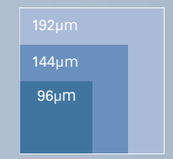
With an industry-best exposure time* of 5.5 seconds, the Veraview IC5 is not only significantly faster than conventional film-based panoramic systems, but also requires much less radiation.

High Speed : only 5.5 seconds , 192 µm , 1/6** X-Ray exposure

High Definition

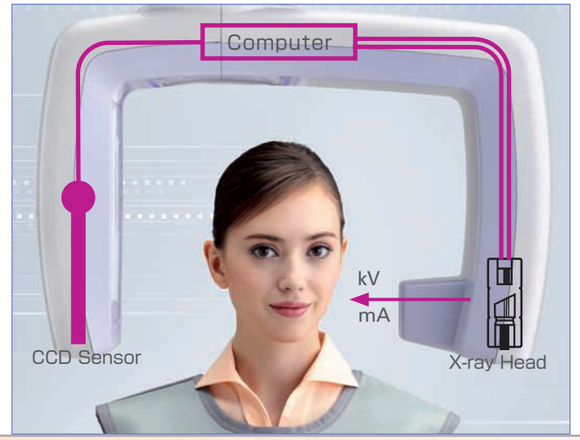
Pixel size is reduced 25% compared with the former model, so it produces superior images of a higher resolution.

High Definition : 10 seconds exposure , 96 µm



High Speed : 5.5 seconds (192 µm)
High Definition : 10 seconds (96 µm)

** as of January 2010*
***Compared to a standard panorama image using film and made by Morita's Veraviewepocs (16 seconds , 75 kV, & 9 mA)*



Digital Direct Automatic Exposure (DDAE)

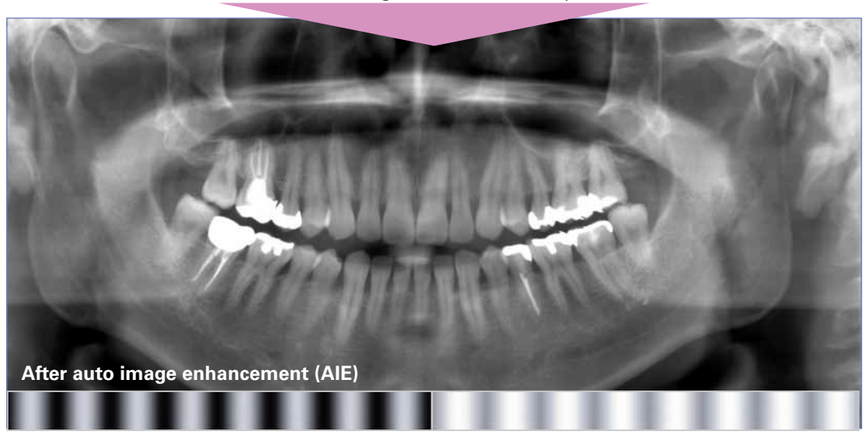
DDAE controls the X-ray tube current (mA) simultaneously by detecting X-rays passing through the patient. This improves the dynamic range, and, along with Automatic Exposure (AE), results in exceptionally clear images with the best possible contrast and even density. The automatic exposure level can be adjusted to meet your individual requirements.

There is no need to set tube voltage or current. Auto exposure (DDAE) provides the optimum exposure conditions with a maximum tube current of 7.5 mA.

High Quality Images

The combination of DDAE (auto exposure) and AIE (auto image enhancement) produces high quality images with optimum contrast and uniform density.

Automatic Image Enhancer comparison



Automatic Image Enhancer (AIE)

AIE is a special software function that optimizes density throughout an entire image and highlights the brightness level of detailed areas, to create images with an extremely high degree of clarity. DDAE and AIE perform a logarithmic conversion to produce the highest quality image possible.

Quick & Easy Patient Positioning and Operation

Power-assisted lift makes patient positioning easier than ever No need to set tube voltage and current

Power-Assisted Movement

The motor assisted lift system with slow-start and slow-stop function provides the easy and accurate hight adjustment .

The overload detector will automatically halt the elevation for the patient safety.

Fully Automatic X-Ray Loading Factor

X-ray exposures require no kV or mA parameter settings. Simply select the desired program: Panorama, TMJ or PEDO.

Low Power Consumption, Lightweight, and Compact

Power Consumption: 0.85 kVA (50% reduction)*

Total Weight: 110 kg (242.5 lb.) (40% reduction)*

Compact: 0.86 m^2 (8.7 sq. ft.) installation area (30% reduction)*

*Compared to Morita's Veraviewepocs

Easy to use control panel

Triple Laser Beam for Easy Positioning

The Veraview IC5 utilizes three lasers that align the Frankfurt plane, the mid-sagittal plane and the image layer, making patient positioning very easy.

Direct current for optimal efficiency and safety

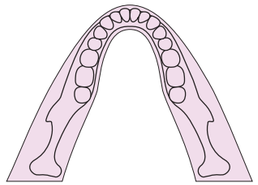
Direct current produces high energy x-rays, thereby reducing the soft x-rays which are absorbed by the human body during the exposure. Also, the primary slit of Veraview IC5 is narrower. The image has a wider image layer, providing greater detail.

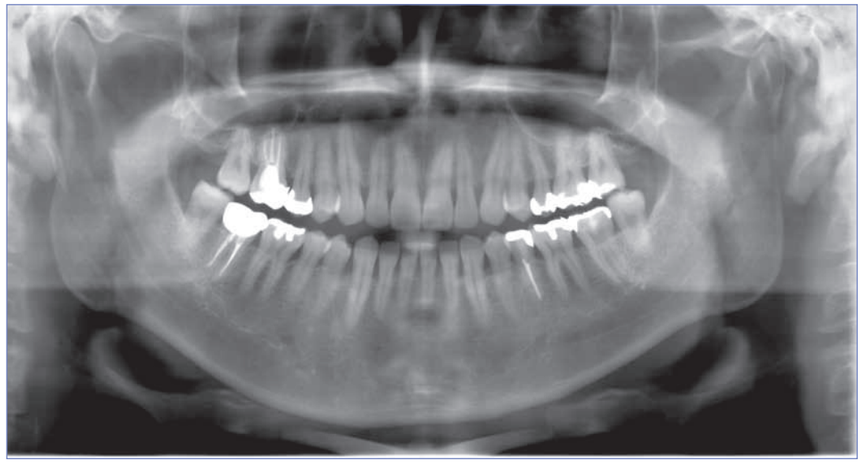
Manually adjustable bite block/ chinrest for the patient positioning.

Chin rest cup is available for the the patient with TMJ disorder.

Standard Panoramic

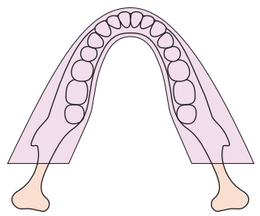
Clear, sharp images with a wide image layer. The thick, specifically designed image layer accommodates all possible variations of dental arch shapes and sizes to produce extremely clear and sharp images.

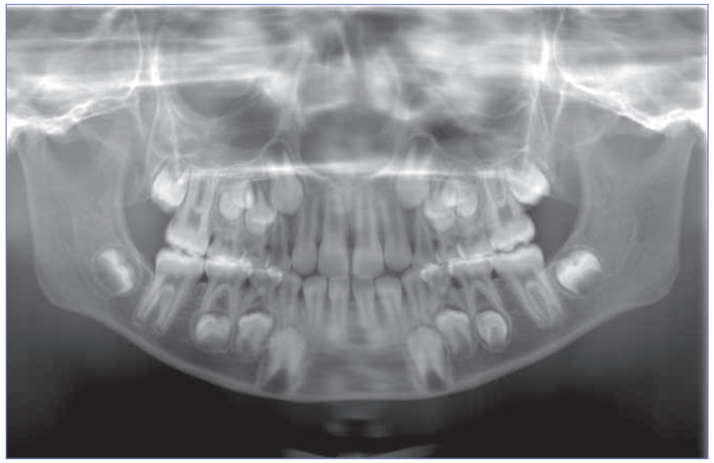




Pedodontic Panoramic at Reduced Radiation

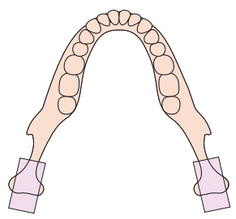
For examinations of children or people with small jaws, the rotation range of the arm is diminished, thereby further reducing radiation exposure.

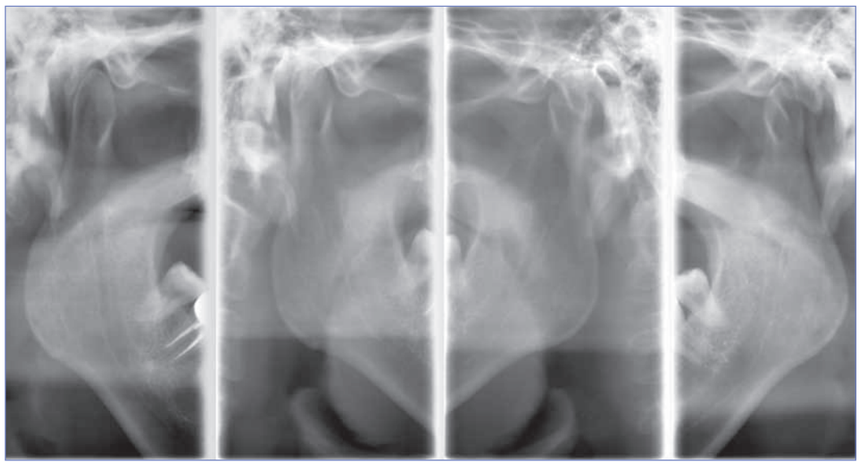


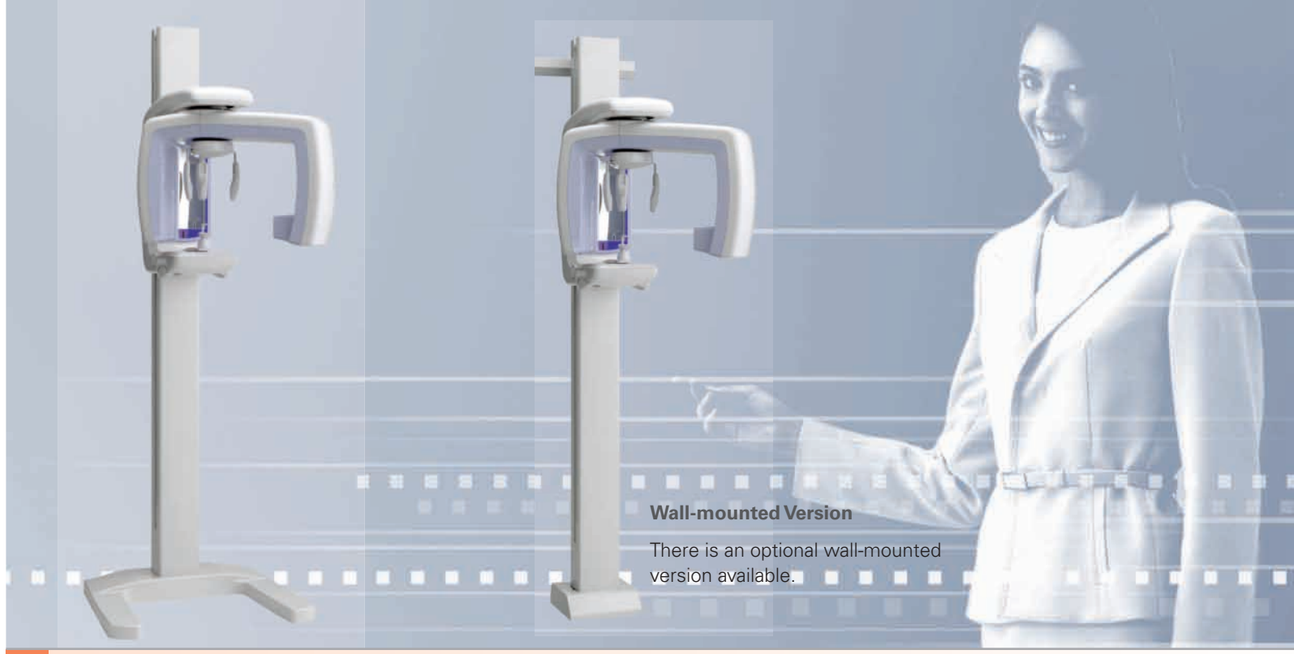


TMJ Quadruple Exposures: for Open and Closed Condyle Views

Four separate shots of condyle fit onto one image. In each case, two sets of rotation for left and right condyle head for open and closed condition.







Specifications and Dimensions and Patient Communication Features

Veraview IC5 FINE Specifications	
Trade name	Veraview IC5 HD
Model	XDP1
Input voltage	AC 100 V/115 V/120 V (EX-1) 220 V/230 V/240 V (EX-2)
X-ray head (DC Inverter)	
Power consumption	0.85 kVA
Operating tube voltage	60–70 kV Automatic control
Operating tube current	1–7.5 mA Automatic control
Filament	Preheated
Rectification	Direct current
Cooling	Oil cooling
Tube focal area	0.5 mm
Exposure time	High Speed mode : 5.5 sec. / 192μm High Definition mode :10 sec. / 96μm
Light beams	Mid-sagittal plane, Frankfurt plane Image layer light beam
Emission switch	Deadman type
Outer dimensions	
Body dimension	W 890 x D 970 x H 2350 mm
Control box dimension	W 125 x D 60 x H 120 mm
Required installation area	0.86 m^2 (8.7 sq. ft.)
Weight	Approx. 110 kg (242.5 lb.)

Veraview IC5 Dimensions (unit: mm)